

# HIV/AIDS Surveillance Quarterly Report



Hawai'i Department of Health

Cases to December 31, 2002

**AIDS Data:** As of December 31, 2002, a cumulative total of 2,717 AIDS cases have been reported to the Hawai'i HIV/AIDS Surveillance Program, Department of Health (DOH). Of these, 1,513 (55.7%) are known dead. At the end of 2002, a total of 1,204 persons are known to be living with AIDS resulting in the prevalence rate of 98.3 AIDS cases per 100,000 population.

A total of 134 cases were reported during 2002 (one-year period), which gives Hawai'i an annual AIDS report rate of 10.9 per 100,000 population. Of the 134 AIDS cases, there were 121 (90.3%) male and 13 (9.7%) female. Honolulu County reported 87 cases (64.9%); Hawai'i County 41 cases (9.9%); Maui County 28 cases (22.4%); and Kaua'i County 15 cases (3.7%). AIDS data is detailed on pages 2-4.

**HIV Data:** A cumulative total of 503 HIV cases have been reported to the DOH since Hawai'i implemented HIV reporting on August 27, 2001. These HIV cases that were reported included cases diagnosed from the previous years and the current year. HIV data at this time is incomplete due to a reporting delay (time between diagnosis of HIV infection and report to DOH), so details are not yet available.

\*\*\*\*\*

## AIDS Among Hawaiians\*, 1984 - 2002

The first Hawaiian AIDS case was diagnosed and reported in Hawai'i in 1984. By December 31, 2002, 296 Hawaiian AIDS cases have been diagnosed and reported. Of these, 179 (60.5%) are known dead and 117 (39.5%) are known to be living with AIDS. Hawaiians comprise 12.5% of the State population (1990 U.S. census), and account for 10.9% of the total Hawaii AIDS cases. The proportion of AIDS cases among Hawaiians is less than their proportion of the total State population.

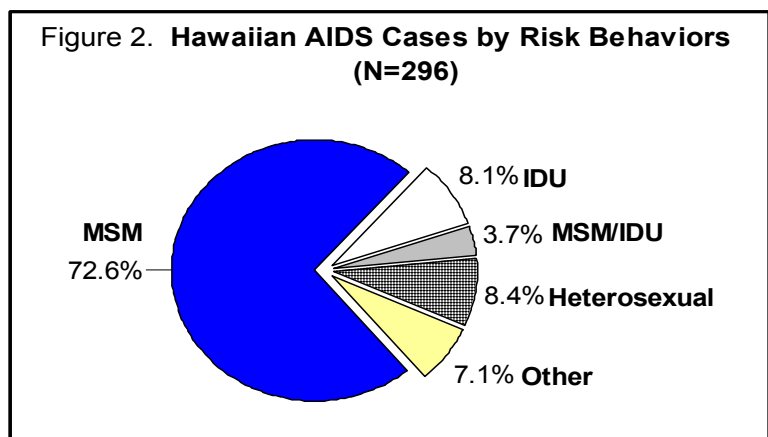
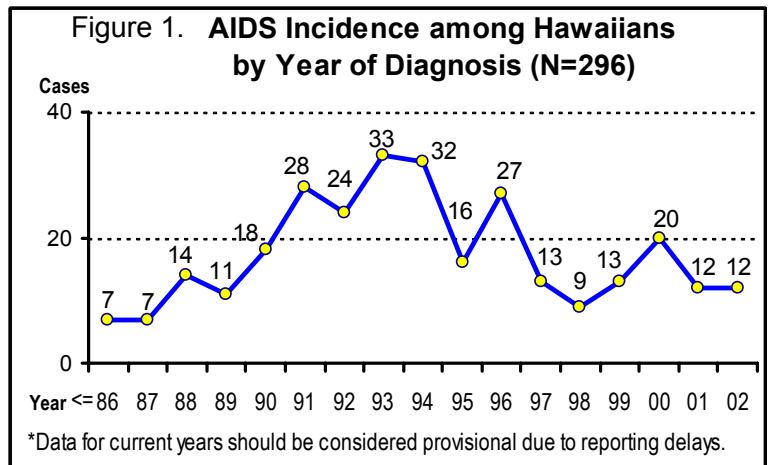
Figure 1 shows the AIDS incidence among Hawaiians by year of diagnosis. The incident peaked in 1993, then decreased, and fluctuated thereafter.

Of the 296 AIDS cases, there were 260 (87.8%) males and 36 (12.2%) females. The majority of the AIDS cases (137, 46.3%) were aged 30-39 years at diagnosis, followed by 61 cases (20.6%) aged 40-49; 55 cases (18.6%) aged 20-29; 36 cases (12.2%) aged over 49; and 7 cases (2.4%) aged under 20.

The primary risk behavior is among men who have sex with men (215, 72.6%, Figure 2). The second and third highest risk behaviors are heterosexual contact (25, 8.4%) and injection drug use (24, 8.1%).

Honolulu County reported 218 cases (73.6%); Hawai'i County 44 cases (14.9%); Maui County 27 cases (9.1%); and Kaua'i County 7 cases (2.4%).

\* Includes persons self-identified as Hawaiians or part-Hawaiians in the medical records.



# Hawaii AIDS Cases, Reported through December 31, 2002

Year of Report	1983-1996	1997	1998	1999	2000	2001	2002	TOTAL
Cases by Year of Report	1,980	98	164	103	109	129	134	2,717
Rate per 100,000 Population *	N/A	8.1	13.5	8.5	8.9	10.5	10.9	N/A

Demographics/Risk	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
-------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

SEX	Male	1,871	(94)	87	(89)	147	(90)	95	(92)	94	(86)	114	(88)	121	(90)	2,529	(93)
	Female	109	(6)	11	(11)	17	(10)	8	(8)	15	(14)	15	(12)	13	(10)	188	(7)

AGE	<13	14	(1)	0	(0)	1	(1)	0	(0)	1	(1)	0	(0)	0	(0)	16	(<1)
	13-19	5	(<1)	1	(1)	1	(1)	0	(0)	1	(1)	0	(0)	0	(0)	8	(<1)
	20-29	283	(14)	5	(5)	13	(8)	5	(5)	8	(7)	11	(9)	11	(8)	336	(12)
	30-39	875	(44)	44	(45)	80	(49)	44	(43)	36	(33)	55	(43)	53	(40)	1,187	(44)
	40-49	591	(30)	30	(31)	48	(29)	39	(38)	42	(39)	38	(29)	47	(35)	835	(31)
	>49	212	(11)	18	(18)	21	(13)	15	(15)	21	(19)	25	(19)	23	(17)	335	(12)

RACE	Caucasian	1,288	(65)	46	(47)	98	(60)	64	(62)	61	(56)	81	(63)	77	(57)	1,715	(63)
	Asian/Pacific Islander	507	(26)	43	(44)	41	(25)	27	(26)	39	(36)	35	(27)	41	(31)	733	(27)
	African-American	82	(4)	3	(3)	9	(5)	7	(7)	4	(4)	3	(2)	8	(6)	116	(4)
	Hispanic	95	(5)	6	(6)	13	(8)	5	(5)	5	(5)	9	(7)	8	(6)	141	(5)
	American Indian/Alaskan	8	(<1)	0	(0)	3	(2)	0	(0)	0	(0)	1	(1)	0	(0)	12	(<1)

RISK	Vale to Male Sex	1,543	(78)	67	(68)	116	(71)	71	(69)	69	(63)	86	(67)	87	(65)	2,039	(75)
	Injection Drug Use	128	(6)	10	(10)	21	(13)	6	(6)	8	(7)	10	(8)	11	(8)	194	(7)
	Male/Male Sex & IDU	148	(7)	5	(5)	6	(4)	8	(8)	4	(4)	2	(2)	6	(4)	179	(7)
	Female Heterosexual	57	(3)	8	(8)	8	(5)	3	(3)	8	(7)	6	(5)	4	(3)	94	(3)
	Male Heterosexual	26	(1)	3	(3)	4	(2)	5	(5)	3	(3)	4	(3)	2	(1)	47	(2)
	Transfusion	19	(1)	2	(2)	2	(1)	1	(1)	0	(0)	0	(0)	3**	(2)	27	(1)
	Perinatal	11	(<1)	0	(0)	1	(1)	0	(0)	1	(1)	0	(0)	0	(0)	13	(<1)
	Hemophiliac	17	(<1)	1	(1)	1	(1)	0	(0)	0	(0)	1	(1)	0	(0)	20	(<1)
	Undetermined	31	(2)	2	(2)	5	(3)	9	(9)	16	(15)	20	(16)	21	(16)	104**	(4)

\* Each year's estimated population from The State of Hawaii Data Book 2001, <http://www.hawaii.gov/dbedt/db01/01/010601.xls>.

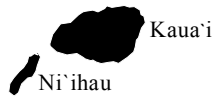
\*\* These AIDS cases are under investigation for risk information.

AIDS Surveillance Program, 3627 Kilauea Avenue Room 306, Honolulu, Hawaii 96816, (808) 733-9010, 733-9015 (Fax)  
[Http://www.state.hi.us/doh/resource/comm\\_dis/std\\_aids/aids\\_rep/](http://www.state.hi.us/doh/resource/comm_dis/std_aids/aids_rep/)

## County Report

### Cumulative Cases (1983- December 31, 2002)

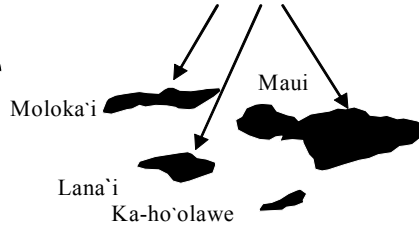
**Kaua'i County**  
120 cases (4%)



**Honolulu County**  
1,938 cases (71%)



**Maui County**  
291 cases (11%)

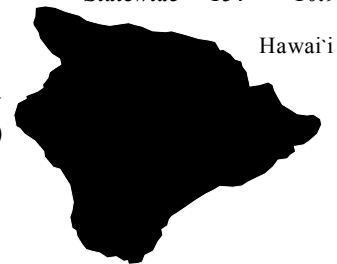


*AIDS Cases and Annual Rates per  
100,000 Population by County\*,  
Reported during 2002*

County	No.	Rate*
Honolulu	87	9.9
Hawai'i	12	7.9
Maui	30	22.8
Kaua'i	5	8.4
Statewide	134	10.9

This map indicates the number of diagnosed AIDS cases reported to the Department of Health through December 31, 2002. These numbers do not reflect those diagnosed in other states who are now living in Hawai'i or individuals who are HIV-infected but not yet diagnosed with AIDS.

**Hawai'i County**  
368 cases (14%)



\* population from The State of Hawaii Data Book 2001, <http://www.hawaii.gov/dbedt/db01/01/010601.xls>.

Cumulative Hawai'i AIDS cases reported 1983 to December 31, 2002	2,717	Known Deaths	1,513 (55.7%)
------------------------------------------------------------------	-------	--------------	---------------

County		Honolulu Co.		Hawai'i Co.		Maui Co.		Kaua'i Co.		Statewide	
		5-Year	Cum.Total	5-Year	Cum.Total	5-Year	Cum.Total	5-Year	Cum.Total	5-Year	Cum.Total
		No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)
SEX	Male	372 (90)	1,813 (94)	70 (80)	328 (89)	98 (92)	276 (95)	31 (91)	112 (93)	571 (89)	2,529 (93)
	Female	40 (10)	125 (6)	17 (20)	40 (11)	8 (8)	15 (5)	3 (9)	8 (7)	68 (11)	188 (7)

RISK	Male to Male Sex	276 (67)	1,475 (76)	47 (54)	245 (67)	82 (77)	226 (78)	24 (71)	93 (78)	429 (67)	2,039 (75)
	Injection Drug Use	35 (8)	131 (7)	11 (13)	40 (11)	6 (6)	14 (5)	4 (12)	9 (8)	56 (9)	194 (7)
	Male/Male Sex & IDU	19 (5)	121 (6)	3 (3)	29 (8)	3 (3)	25 (9)	1 (3)	4 (3)	26 (4)	179 (7)
	Heterosexual Contact	28 (7)	91 (5)	12 (14)	30 (8)	6 (6)	13 (4)	1 (3)	7 (6)	47 (7)	141 (5)
	Transfusion	3 (1)	21 (1)	2 (2)	3 (1)	1 (1)	1 (<1)	0 (0)	2 (2)	6 (1)	27 (1)
	Perinatal	2 (<1)	11 (1)	0 (0)	2 (1)	0 (0)	0 (0)	0 (0)	0 (0)	2 (<1)	13 (<1)
	Hemophiliac	2 (<1)	14 (1)	0 (0)	4 (1)	0 (0)	2 (1)	0 (0)	0 (0)	2 (<1)	20 (<1)
	Undetermined	47 (11)	74 (3)	12 (14)	15 (4)	8 (8)	10 (3)	4 (12)	5 (4)	71 (11)	104 (4)
Total Cases		412	1,938	87	368	106	291	34	120	639	2,717

01/1998- 12/2002 N and (%)	412 (64)	87 (14)	106 (17)	34 (5)	639 (100)
Cumulative cases and (%)	1,938 (71)	368 (14)	291 (11)	120 (4)	2,717 (100)
2001 population (%)	(72)	(12)	(11)	(5)	1,224,398 (100)

## AIDS Cases by Race/Ethnicity Reported from 1998 to 2002 (Five – Year)

Race/Ethnicity	Caucasian No. (%)	African American No. (%)	Hispanic No. (%)	American Indian No. (%)	Hawaiian /Pt. Haw. No. (%)	Filipino No. (%)	Chinese No. (%)	Japanese No. (%)	Other APIs No. (%)	Total No. (%)
----------------	----------------------	--------------------------------	---------------------	-------------------------------	----------------------------------	---------------------	--------------------	---------------------	--------------------------	------------------

<b>5 Year Cases (%)</b>	381 (60)	31 (5)	40 (6)	4 (<1)	77 (12)	39 (6)	9 (1)	23 (4)	35 (5)	639 (100)
<b>Cumulative Cases (%)</b>	1,715 (63)	116 (4)	141 (5)	12 (<1)	296 (11)	143 (5)	57 (2)	119 (4)	118 (4)	2,717(100)

<b>S E X</b>	<b>Male</b>	351 (92)	25 (81)	35 (88)	4 (100)	67 (87)	32 (82)	8 (89)	21 (91)	28 (80)	571 (89)
	<b>Female</b>	30 (8)	6 (19)	5 (12)	0 (0)	10 (13)	7 (18)	1 (11)	2 (9)	7 (20)	68 (11)
<b>R I S K</b>	<b>Male to Male Sex</b>	271 (71)	11 (36)	26 (65)	3 (75)	52 (68)	25 (64)	6 (67)	16 (70)	19 (54)	429 (67)
	<b>Injection Drug Use</b>	31 (8)	9 (29)	5 (13)	0 (0)	5 (6)	1 (3)	1 (11)	1 (4)	3 (9)	56 (9)
	<b>Male/Male Sex &amp; IDU</b>	17 (4)	2 (6)	1 (3)	1 (25)	2 (3)	1 (3)	0 (0)	2 (9)	0 (0)	26 (4)
	<b>Heterosexual</b>	16 (4)	3 (10)	4 (10)	0 (0)	8 (10)	6 (15)	2 (22)	2 (9)	6 (17)	47 (7)
	<b>Transfusion</b>	4 (1)	0 (0)	0 (0)	0 (0)	1 (1)	0 (0)	0 (0)	0 (0)	1 (3)	6 (1)
	<b>Perinatal</b>	1 (<1)	0 (0)	0 (0)	0 (0)	1 (1)	0 (0)	0 (0)	0 (0)	0 (0)	2 (<1)
	<b>Hemophiliac</b>	2 (1)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (<1)
	<b>Undetermined</b>	39 (10)	6 (19)	4 (10)	0 (0)	8 (10)	6 (15)	0 (0)	2 (9)	6 (17)	71 (11)
<b>5-Year Cases</b>		381	31	40	4	77	39	9	23	35	639
<b>5-year average annual rate per 100,000 <sup>1</sup></b>		16.0	18.6	9.1	3.2	11.1	4.6	2.6	1.9	1.9	10.5

<sup>1</sup> 2000 and 1990 population, U.S. Census

**Reporting Requirement.** AIDS case reporting is required by Hawai'i Revised Statutes (HRS) §325-2 and Hawaii Administrative Rules §11-156-3 for low CD4 values (<200 $\mu$ l/ml or <14% of total lymphocytes). Reporting by name is required at the time a person is diagnosed with AIDS as defined by the Centers for Disease Control and Prevention (revised in January 1993). HIV case reporting by Unnamed Test Code (UTC) is required by Hawaii Administrative Rules §11-156-8.8 & 8.9., which took effect on August 27, 2001. Information is collected for the advancement of epidemiologic knowledge and handled in strictest confidence in accordance with HRS §325-101. Names and other identifiers are not released. Those required to report include physicians, nurses, infection control practitioners, medical directors, and hospitals.

**Questions regarding forms, reporting requirements, or this report may be directed to the AIDS Surveillance Program at (808) 733-9010, (808) 733-9015 (fax), or qsandy@lava.net (e-mail).**

**Notice for the change of publication schedule:** Beginning 2003, the HIV/AIDS Surveillance Quarterly Report will be changed to a semi-annual report. The next issue will be the 2003 mid-year report.